

THERMOPLASTIC POLYURETHANE

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ABSTRACT

10 A thermoplastic polyurethane useful for elastomers,
elastic fibers and artificial leathers contains a
polyaddition product of a diisocyanate and a chain
extender with a liquid polyethercarbonate diol which is a
reaction product of a carbonate compound with a polyether
diol having structural units (a) $-(CH_2)_6-O-$ and at
least one member of structural units (b) $-(CH_2)_2-O-$ and
15 (c) $-CH_2CH(CH_3)-O-$, and in which the units (b) are
present in an average number (n) of moles of 0 to 5 per
mole of the units (a), the units (c) are present in an
average number (m) of moles of 0 to 5 per mole of the
units (a), and the total average number (n + m) of moles
20 of the units (b) and (c) is more than 1 but not more than
5, per mole of the units (a).